

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	41	(adapter ring bore step shoulder). CLM.	US-PGPUB; USPAT	AND	ON	2007/11/08 19:21

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20050258647").PN.	US-PGPUB	OR	OFF	2006/12/05 13:52
S2	691	(411/542,369,371.1,371.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 08:27
S3	20	("1096846"   "3013643"   "3131742"   "3350042"   "3802476"   "3910588"   "4092896"   "4136598"   "4355933"   "5020951"   "5255647"   "5462395"   "5755545"   "5915901"   "6280132"   "6302385").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 08:30
S4	15	("3281155"   "4150845"   "4258936"   "4877270"   "5288087"   "5378027"   "5833245"   "5903964"   "6077267"   "6102444"   "6168168"   "6359355"   "6481722"   "6541720").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 08:36
S5	24	("1830674"   "2263655"   "2374138"   "2728895"   "3001802"   "3428337"   "3488073"   "3633944"   "3679237"   "3901574").PN. OR ("4150845"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 08:40
S6	18	("2373443"   "3930656"   "4468042"   "4692928"   "4778321"   "5172919"   "5342096"   "5390939"   "5536018"   "5564714").PN. OR ("6173969"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 08:48
S7	23	("2063724"   "2183004"   "2512098"   "2679441"   "2815973").PN. OR ("4468042"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 08:51
S8	30	("2815973"   "3095619"   "3188099"   "3381970"   "3885801"   "3930657"   "4040636"   "4281590"   "4346647"   "4468042"   "4566702"   "4576386"   "4630833"   "4635945"   "4749201"   "5052760"   "5328177"   "5524905"   "5603511").PN. OR ("5879010").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 08:53

## EAST Search History

S9	16	("2767795"   "4074908"   "4141563"   "4379558"   "4453723"   "4493373"   "4593914"   "5014603"   "5088744"   "5306022"   "5524905"   "5603511"   "5791657"   "5879010").PN. OR ("6173964").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 08:55
S10	20	("2343235"   "3286577"   "3316952"   "3482864"   "3519279"   "5165834").PN. OR ("5409337"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 09:08
S11	26	("1226921"   "1992793"   "2187217"   "2342425"   "2553340"   "3074748"   "3173712"   "3323402"   "3376053"   "4469338"   "4531767").PN. OR ("5165731"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 09:13
S12	11	("2353549"   "2394097"   "2752814"   "3043470"   "4056144").PN. OR ("4671546"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 09:20
S13	1	("2394097").URPN.	USPAT	OR	OFF	2006/12/05 09:21
S14	13	("1121386"   "3087370"   "3401958"   "3430990").PN. OR ("4498680").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 09:23
S15	16	("1626729"   "1885657"   "2493996"   "3698742"   "3747960"   "3777771"   "3847819"   "3933358"   "4072291"   "4433862"   "4458925"   "4498680").PN. OR ("4593713").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 09:24
S16	14	("2230194"   "2284530"   "2396005"   "2590803").PN. OR ("4492817").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 09:27
S17	9	("3004776").URPN.	USPAT	OR	OFF	2006/12/05 09:41
S18	731	anti adj extrusion	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 09:41
S19	20	("2349170"   "2797971"   "3188099"   "3473814"   "3582093"   "3582094"   "3771801"   "4059280"   "4352498").PN. OR ("5524905").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 10:09
S20	9	("3719366"   "4219204"   "4298562"   "4310163"   "5028056").PN. OR ("5499826"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 10:12

## EAST Search History

S21	6	("2973978"   "3765690"   "3817517"   "4143586"   "4380342").PN. OR ("4437674").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 10:27
S22	24	("1079976"   "1175383"   "1481160"   "3186702"   "3663076").PN. OR ("4032159").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 10:33
S23	10	("3227462").URPN.	USPAT	OR	OFF	2006/12/05 10:52
S24	1475	(277/609,616,630,638).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 10:53
S25	31	("2753195"   "4294473"   "4694859"   "4709726"   "4768538"   "4832080"   "4834139"   "4884584"   "4900071"   "5052439"   "5099882"   "5103868"   "5203374"   "5232021"   "5337782"   "5339861"   "5343891"   "5368070"   "5494073"   "5556139"   "5762106"   "5771927"   "5810047"   "5979499"   "5983934"   "6085785"   "6161579"   "6202690"   "6202691"   "6575430").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 10:59
S26	30	("1860759"   "2003446"   "2443394"   "2560263"   "2935343"   "4193616").PN. OR ("4294473").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 11:02
S27	9	("2499024"   "2777282"   "4469338"   "4490576"   "4733872"   "5427386"   "5553902").PN. OR ("5957508").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 11:21
S28	9	("3156475").URPN.	USPAT	OR	OFF	2006/12/05 11:42
S29	27	("1063790"   "2565701"   "2641514"   "3055668"   "3070070"   "3156475"   "3514113"   "3565446"   "3975991"   "4055107"   "4173881"   "4230324"   "4283062").PN. OR ("4566372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 11:55
S30	1954	(285/143.1,98,108,379,917).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 13:46
S31	1	("6202690").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 12:11

## EAST Search History

S32	39	("2071204"   "2457251"   "2471237"   "2599935"   "2727759"   "2727761"   "2772898"   "3056423"   "3215161"   "3422864"   "3613726"   "3730221"   "4124228"   "4222411"   "4582347"   "4754780"   "4768551"   "4832080"   "4924909"   "5063965"   "5072755"   "5099882"   "5203374"   "5232021"   "5277225"   "5360035"   "5469887"   "Re25920").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 12:11
S33	37	("1913982"   "2471237"   "2480108"   "2776850"   "3291152"   "3362720"   "3422864"   "3618690"   "3730221"   "3917220"   "4124228"   "4637470"   "4694859"   "4709726"   "4754780"   "4768538"   "4813454"   "4817668"   "4832080"   "4834139"   "4858648"   "4884584"   "4900071"   "4915419"   "5015016"   "5016671"   "5029613"   "5052439"   "5099882"   "5339861").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 12:12
S34	31	("2753195"   "4294473"   "4694859"   "4709726"   "4768538"   "4832080"   "4834139"   "4884584"   "4900071"   "5052439"   "5099882"   "5103868"   "5203374"   "5232021"   "5337782"   "5339861"   "5343891"   "5368070"   "5494073"   "5556139"   "5762106"   "5771927"   "5810047"   "5979499"   "5983934"   "6085785"   "6161579"   "6202690"   "6202691"   "6575430").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 12:22
S35	30	("0264699"   "0909959"   "2726104"   "3140107"   "3332709"   "3479063"   "3799584"   "3848905"   "3891251"   "4361331"   "4524998"   "4537406"   "4538842"   "4647084"   "4787654"   "4930791"   "5074599"   "5366261"   "5382057"   "5839765"   "6435568"   "6565124"   "6764109"   "H000945").PN. OR ("6899358").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 12:28
S36	20	("2343235"   "3286577"   "3316952"   "3482864"   "3519279"   "5165834").PN. OR ("5409337"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 12:38

## EAST Search History

S37	29	("3519279").URPN.	USPAT	OR	OFF	2006/12/05 12:43
S38	14	("2307328"   "3315988"   "4223711"   "4448429"   "4807514").PN. OR ("5052724"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 12:54
S39	18	("0494402"   "20020030326"   "2513178"   "2722043"   "3231289"   "3930656"   "4254960"   "4616857"   "4690438"   "5342096"   "6173969"   "6305695"   "6669205").PN. OR ("6854739"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 13:46
S40	1022	(285/123.15,123.1,123.16,123.17). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 13:47
S41	11	hagen adj harald	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 13:55
S42	6	("3584902"   "3718350"   "3929357"   "4707000"   "4923221").PN. OR ("6027144"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 13:54
S43	3	harald hagen	US-PGPUB; USPAT; USOCR	ADJ	OFF	2006/12/05 13:57
S44	1	("6554323").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 13:58
S45	0	"29719247"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/12/05 13:59
S46	2	"0913618"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/12/05 14:15
S47	1	("5240290").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:15
S48	6	("3349792"   "3606398"   "3863960"   "3870064").PN. OR ("5240290").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:17
S49	165116	adapter	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:18
S50	2577	S49 and "285".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:40

## EAST Search History

S51	2	("1672879").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:41
S52	1	("5433489").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:41
S53	16	("3160427"   "3489438"   "4209193"   "4280721"   "4531767"   "4770448"   "4934742"   "5165731").PN. OR ("5433489"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:42
S54	16	("3160427"   "3489438"   "4209193"   "4280721"   "4531767"   "4770448"   "4934742"   "5165731").PN. OR ("5433489"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:42
S55	1870	(285/349,139.2,204).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:18
S56	1	("20050258647").PN.	US-PGPUB	OR	OFF	2006/12/06 11:21
S57	691	(411/542,369,371.1,371.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S58	20	("1096846"   "3013643"   "3131742"   "3350042"   "3802476"   "3910588"   "4092896"   "4136598"   "4355933"   "5020951"   "5255647"   "5462395"   "5755545"   "5915901"   "6280132"   "6302385").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S59	15	("3281155"   "4150845"   "4258936"   "4877270"   "5288087"   "5378027"   "5833245"   "5903964"   "6077267"   "6102444"   "6168168"   "6359355"   "6481722"   "6541720").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S60	24	("1830674"   "2263655"   "2374138"   "2728895"   "3001802"   "3428337"   "3488073"   "3633944"   "3679237"   "3901574").PN. OR ("4150845"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S61	18	("2373443"   "3930656"   "4468042"   "4692928"   "4778321"   "5172919"   "5342096"   "5390939"   "5536018"   "5564714").PN. OR ("6173969"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21

## EAST Search History

S62	23	("2063724"   "2183004"   "2512098"   "2679441"   "2815973").PN. OR ("4468042"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S63	30	("2815973"   "3095619"   "3188099"   "3381970"   "3885801"   "3930657"   "4040636"   "4281590"   "4346647"   "4468042"   "4566702"   "4576386"   "4630833"   "4635945"   "4749201"   "5052760"   "5328177"   "5524905"   "5603511").PN. OR ("5879010").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S64	16	("2767795"   "4074908"   "4141563"   "4379558"   "4453723"   "4493373"   "4593914"   "5014603"   "5088744"   "5306022"   "5524905"   "5603511"   "5791657"   "5879010").PN. OR ("6173964").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S65	20	("2343235"   "3286577"   "3316952"   "3482864"   "3519279"   "5165834").PN. OR ("5409337"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S66	26	("1226921"   "1992793"   "2187217"   "2342425"   "2553340"   "3074748"   "3173712"   "3323402"   "3376053"   "4469338"   "4531767").PN. OR ("5165731"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S67	11	("2353549"   "2394097"   "2752814"   "3043470"   "4056144").PN. OR ("4671546"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S68	1	("2394097").URPN.	USPAT	OR	OFF	2006/12/06 11:21
S69	13	("1121386"   "3087370"   "3401958"   "3430990").PN. OR ("4498680").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S70	16	("1626729"   "1885657"   "2493996"   "3698742"   "3747960"   "3777771"   "3847819"   "3933358"   "4072291"   "4433862"   "4458925"   "4498680").PN. OR ("4593713").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S71	14	("2230194"   "2284530"   "2396005"   "2590803").PN. OR ("4492817").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S72	9	("3004776").URPN.	USPAT	OR	OFF	2006/12/06 11:21



## EAST Search History

S73	731	anti adj extrusion	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S74	20	("2349170"   "2797971"   "3188099"   "3473814"   "3582093"   "3582094"   "3771801"   "4059280"   "4352498").PN. OR ("5524905").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S75	9	("3719366"   "4219204"   "4298562"   "4310163"   "5028056").PN. OR ("5499826"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S76	6	("2973978"   "3765690"   "3817517"   "4143586"   "4380342").PN. OR ("4437674"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S77	24	("1079976"   "1175383"   "1481160"   "3186702"   "3663076").PN. OR ("4032159"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S78	10	("3227462").URPN.	USPAT	OR	OFF	2006/12/06 11:21
S79	1475	(277/609,616,630,638).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S80	31	("2753195"   "4294473"   "4694859"   "4709726"   "4768538"   "4832080"   "4834139"   "4884584"   "4900071"   "5052439"   "5099882"   "5103868"   "5203374"   "5232021"   "5337782"   "5339861"   "5343891"   "5368070"   "5494073"   "5556139"   "5762106"   "5771927"   "5810047"   "5979499"   "5983934"   "6085785"   "6161579"   "6202690"   "6202691"   "6575430").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S81	30	("1860759"   "2003446"   "2443394"   "2560263"   "2935343"   "4193616").PN. OR ("4294473"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S82	9	("2499024"   "2777282"   "4469338"   "4490576"   "4733872"   "5427386"   "5553902").PN. OR ("5957508").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S83	9	("3156475").URPN.	USPAT	OR	OFF	2006/12/06 11:21

## EAST Search History

S84	27	("1063790"   "2565701"   "2641514"   "3055668"   "3070070"   "3156475"   "3514113"   "3565446"   "3975991"   "4055107"   "4173881"   "4230324"   "4283062").PN. OR ("4566372"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S85	1954	(285/143.1,98,108,379,917).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S86	1	("6202690").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S87	39	("2071204"   "2457251"   "2471237"   "2599935"   "2727759"   "2727761"   "2772898"   "3056423"   "3215161"   "3422864"   "3613726"   "3730221"   "4124228"   "4222411"   "4582347"   "4754780"   "4768551"   "4832080"   "4924909"   "5063965"   "5072755"   "5099882"   "5203374"   "5232021"   "5277225"   "5360035"   "5469887"   "Re25920").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S88	37	("1913982"   "2471237"   "2480108"   "2776850"   "3291152"   "3362720"   "3422864"   "3618690"   "3730221"   "3917220"   "4124228"   "4637470"   "4694859"   "4709726"   "4754780"   "4768538"   "4813454"   "4817668"   "4832080"   "4834139"   "4858648"   "4884584"   "4900071"   "4915419"   "5015016"   "5016671"   "5029613"   "5052439"   "5099882"   "5339861").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S89	31	("2753195"   "4294473"   "4694859"   "4709726"   "4768538"   "4832080"   "4834139"   "4884584"   "4900071"   "5052439"   "5099882"   "5103868"   "5203374"   "5232021"   "5337782"   "5339861"   "5343891"   "5368070"   "5494073"   "5556139"   "5762106"   "5771927"   "5810047"   "5979499"   "5983934"   "6085785"   "6161579"   "6202690"   "6202691"   "6575430").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21

## EAST Search History

S90	30	("0264699"   "0909959"   "2726104"   "3140107"   "3332709"   "3479063"   "3799584"   "3848905"   "3891251"   "4361331"   "4524998"   "4537406"   "4538842"   "4647084"   "4787654"   "4930791"   "5074599"   "5366261"   "5382057"   "5839765"   "6435568"   "6565124"   "6764109"   "H000945").PN. OR ("6899358").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S91	20	("2343235"   "3286577"   "3316952"   "3482864"   "3519279"   "5165834").PN. OR ("5409337"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S92	29	("3519279").URPN.	USPAT	OR	OFF	2006/12/06 11:21
S93	14	("2307328"   "3315988"   "4223711"   "4448429"   "4807514").PN. OR ("5052724"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S94	18	("0494402"   "20020030326"   "2513178"   "2722043"   "3231289"   "3930656"   "4254960"   "4616857"   "4690438"   "5342096"   "6173969"   "6305695"   "6669205").PN. OR ("6854739"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S95	1022	(285/123.15,123.1,123.16,123.17). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S96	11	hagen adj harald	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S97	6	("3584902"   "3718350"   "3929357"   "4707000"   "4923221").PN. OR ("6027144"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S98	3	harald hagen	US-PGPUB; USPAT; USOCR	ADJ	OFF	2006/12/06 11:21
S99	1	("6554323").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S10 0	0	"29719247"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/12/06 11:21

## EAST Search History

S10 1	2	"0913618"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/12/06 11:21
S10 2	1	("5240290").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S10 3	6	("3349792"   "3606398"   "3863960"   "3870064").PN. OR ("5240290").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S10 4	165116	adapter	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S10 5	2577	S104 and "285".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S10 6	2	("1672879").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S10 7	1	("5433489").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S10 8	16	("3160427"   "3489438"   "4209193"   "4280721"   "4531767"   "4770448"   "4934742"   "5165731").PN. OR ("5433489"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S10 9	16	("3160427"   "3489438"   "4209193"   "4280721"   "4531767"   "4770448"   "4934742"   "5165731").PN. OR ("5433489"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:21
S11 0	170994	S56 S57 S58 S59 S60 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100 S101 S102 S103 S104 S105 S106 S107 S108 S109	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:24
S11 1	0	S56 not S110	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:25
S11 2	5878	S110 not S104	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:25
S11 3	1870	S55 notl58	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:26

## EAST Search History

S11 4	1729	S55 not S112	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 11:26
S11 5	10	("2872961").URPN.	USPAT	OR	OFF	2006/12/06 11:36
S11 6	2	("3212796").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/08 13:03
S11 7	2	("2904355").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/08 13:03
S11 8	2	("2904355").URPN.	USPAT	OR	ON	2007/05/18 08:02
S11 9	123	"2343235" "2437632" "2441344" "2458817" "2474319" "2476074" "2476561" "2523585" "2533059" "2704676" "2759743" "2759743"	USPAT	OR	ON	2007/05/18 08:04
S12 0	20	("2343235"   "3286577"   "3316952"   "3482864"   "3519279"   "5165834").PN. OR ("5409337"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 08:22
S12 1	14	("2230194"   "2284530"   "2396005"   "2590803").PN. OR ("4492817").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 08:34
S12 2	9	"6027143"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 22:07
S12 3	12	("3453005"   "3584902"   "3929357"   "4723796").PN. OR ("6027143").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/07 22:18
S12 4	3852	(285/143.1,98,108,379,917,349, 139.2,204).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/11/07 22:18
S12 5	1534	(277/609,616,630,638).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/11/07 22:19
S12 6	736	(411/542,369,371.1,371.2).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/11/07 22:19

## EAST Search History

S12 7	80	(S124 or S125 or S126) and @pd>"20060505"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 22:20
S12 8	1	("6202690").PN. OR ("7111874"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/07 22:23
S12 9	14	("2307328"   "3315988"   "4223711"   "4448429"   "4807514").PN. OR ("5052724"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 14:17